

AECOM 7720 North 16<sup>th</sup> Street Suite 100 Phoenix, AZ 85020-4493 www.aecom.com

July 31, 2017

Ms. Nichole Osuch
Project Manager, Voluntary Remediation Program
Arizona Department of Environmental Quality
1110 West Washington Street
Phoenix, Arizona 85007

Re: Amended Remedial Action Plan

City of Phoenix Parcel Number 308-06-005C

Site Code: 512733-00

Dear Ms. Osuch:

Thank you for your e-mail correspondence of June 16, 2017 documenting Arizona Department of Environmental Quality (ADEQ) Voluntary Remediation Program (VRP) and City of Phoenix (COP) June 16, 2017 meeting. Please consider this letter to constitute revisions to the Amended Remedial Action Plan for the above-referenced site as discussed during the meeting and documented via e-mail.

### Section 3.1

The first two paragraphs of Section 3.1 will be replaced with the following text:

The overall goal of remediation at the Site is to address contamination resulting from historical use of a former manganese ore processing facility and allow for non-residential use of the former processing areas within the subject property. To this end, the City has decided to use pre-determined NR-SRLs, as identified in the Arizona Administrative Code (A.A.C). R18-7-Appendix A, as the soil remediation goal(s) for the process areas. The soil remediation goals selected for the property to the east of the manganese ore processing area are the pre-determined R-SRLs, also identified in A.A.C. R18-7-Appendix A.

The constituents of concern to be addressed via a remedial action and their associated remediation goals are:

Constituent of Concern	Non-Residential SRL	Residential SRL	
	Remediation Goal	Remediation Goal	
Arsenic	10 mg/Kg in soil	10 mg/Kg in soil	
Lead	800 mg/Kg in soil	400 mg/Kg in soil	
Manganese	32,000 mg/Kg in soil	3,300 mg/Kg in soil	
Thallium	67 mg/Kg in soil	5.2 mg/Kg in soil	

Note: Levels are based on standards established in Appendix A of the Arizona Administrative Code, Title 18, Chapter 7, revised March 2009.

SRL - Soil Remediation Level



### Section 5.2.5, Embedded Table Following First Paragraph

For the row documenting the depth of sampling at the pothole at grid location N6, add the depth of 6 feet:

N6 3,6
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## Section 5.3.1, Second and Third Paragraph

The second and third paragraphs of Section 5.3.1 will be replaced with the following text and table to indicate the selected remediation goals for individual Decision Units (DU):

Figure 4 depicts 29 Decision Units (DUs) located within and surrounding the former process area of the Site including the proposed excavation areas and areas that are not planned for excavation. These DUs range in size from about 400 square feet to 1.68 acres. One additional larger DU (24) is proposed for the area to the east of the historic processing area that contains native soils. DUs 25 through 28 encompass the area to the south of the processing area and north of the railroad tracks. Each of DUs 25 through 28 is divided into four approximately ¼-acre sub-units (with the exception of DU28, which includes smaller subunits). DUs 24 through 28 are depicted in Figure 5. The proposed remediation goals for the DUs are summarized in the table below.

DU	Remediation								
	Goal								
1a	NR-SRL	5b	NR-SRL	13	NR-SRL	21	NR-SRL	29	R-SRL
1b	NR-SRL	6	NR-SRL	14	NR-SRL	22	R-SRL		
1c	NR-SRL	7	NR-SRL	15	NR-SRL	23	NR-SRL		
1d	NR-SRL	8	NR-SRL	16	R-SRL	24	R-SRL		
2	NR-SRL	9	NR-SRL	17	R-SRL	25	R-SRL		
3	NR-SRL	10	NR-SRL	18	R-SRL	26	R-SRL		
4	NR-SRL	11	NR-SRL	19	R-SRL	27	R-SRL		
5a	NR-SRL	12	NR-SRL	20	R-SRL	28	R-SRL		

A summary of the DUs is presented in Tables 1 and 2. Table 1 includes a list of all sampling performed within each DU, the type of sample analysis (laboratory or XRF), a narrative description of whether the analysis indicated an exceedance of the NR-SRL or R-SRL, flagging of historic sample locations that are not expected to be disturbed by proposed excavation activities, the source of the sampling data, and a short description of the activities to be conducted within each DU. Table 2 presents a description of the activities to be conducted within each DU, a list of the proposed confirmation samples to be collected within the DU including sampling depth, and a list of the existing samples and depths.



#### Section 5.3.4

Section 5.3.4 will be replaced in its entirety with the text below:

Following verification of the excavation extent with the XRF analyzer and laboratory analysis of sidewall samples, confirmation soil sampling for laboratory analysis will be conducted in each DU by the Remediation Consultant. A summary of the number and location of confirmation samples to be collected in each DU is provided in Table 2 including the depths of the proposed samples below initial grade and the number of samples collected within each depth interval. Confirmation sampling locations are depicted in Figure 5 for DUs located outside of the former processing area within DU 24. Discrete samples will be collected in DU 24 at the locations indicated in Figure 5.

Figure 5 also depicts DU 25 through DU 28 located outside of the former processing area. DUs 25 through 28, which are about 1 acre in size or less, are divided into ¼-acre subunits. Confirmation sampling will consist of a single composite sample to be collected from within each subunit of the larger DU. The composite sample will consist of five aliquots collected at a depth of 0.5 feet. Aliquots will be collected at the center of each subunit and from the center of each of the four quadrants of the subunit.

Figure 6 depicts proposed confirmation sampling locations for DUs within and adjacent to the former ore processing area. Proposed laboratory confirmation samples that are located outside of planned excavation areas and that will be collected at depths of 0.5 feet will be collected using a shovel and/or trowel. Proposed laboratory confirmation samples that are located outside of planned excavation areas and that will be collected at depths of 3 feet or greater will be collected by potholing using Contractor excavation equipment or direct push rig. This subset of deeper confirmation sampling locations is summarized in the table below:

Sample Grid Location	Depths to be Sampled (feet)
B4	0.5, 3, 4
E4	0.5, 3, 4
K3	0.5, 3
Q11	3
U11	6
M11	0.5, 3
H12	3
A7	3
A9	3
B8	3
O5	0.5, 3, 6
P6	0.5, 3, 6
P8	0.5, 3, 6
Q5	0.5, 3, 6
Q9	0.5, 3, 6

Figure 6 also indicates historic sampling point locations (and depths) for which laboratory data are available and which are not expected to be disturbed by excavation activities. These data may be used along with confirmation sampling results to demonstrate that a DU meets either R-SRLs or NR-



SRLs. Note that the depths of wall and floor samples for the excavated areas are described in Table 1, but not indicated on Figure 6. Collected samples will be submitted for analysis of target metals as described in Section 6.0.

DUs 16, 17, 18, 19, and 29 are subdivided into four approximately ¼-acre subunits as depicted on Figure 6. Five aliquots will be collected from each ¼-acre sub-unit of these DUs and composited into a single sample for analysis. Four composite samples will be analyzed for each DU. Aliquots will be collected from 0.5 feet in DUs 16, 17, and 29. Aliquots will be collected from 0.5 feet and 3 feet bgs in DUs 18 and 19. Subcontractor equipment, a hand auger, or a direct push rig will be used to collect the 3-foot aliquots (five aliquots per subunit, four subunits per DU, two DUs, for a total of 40 aliquots).

A similar process will be followed for DUs 25, 26, 27, and 28 with five aliquots collected from 0.5 feet bgs for each of four ¼-acre sub-units in the one-acre DU. Only three aliquots will be collected from sub-unit 28d due to the small size of this sub-unit.

Analytical results for each DU will be compared to R-SRLs and NR-SRLs to evaluate whether: a) remedial goals have been achieved for the DU; and b) the DU meets R-SRL or NR-SRL criteria (i.e., whether a DEUR is required for the DU). The following evaluation criteria will be applied when evaluating achievement of remedial goals:

- a. For small DUs located within a larger DU (e.g., DU 2 located within DU 1a), the discrete analytical data will be used to evaluate whether the excavation should be expanded; and the highest concentration for each analyte from the data set will be used as a single data point in evaluating the 95% upper confidence limit (UCL) of the mean for that analyte in the surrounding DU.
- b. For DUs of 1 to 1.5 acres with a non-residential remedial goal, the 95% UCL will be calculated for each analyte based on the collected confirmation samples for each depth interval (and including the single highest concentration for each analyte from each of the smaller DUs located within the boundaries of the DU at the corresponding depth interval or intervals).
- c. For DUs of 1 acre or less with a residential remedial goal, four composite samples from ¼-acre subunits will be used to evaluate achievement of the remedial goal for each applicable depth interval. The concentrations of the composite samples will be compared directly to the R-SRL. The depth interval of interest for these DUs is 0.5 feet, with the exception of DUs 18 and 19 where the 0.5-foot and the 3-foot interval will be evaluated.
- d. For DU 24, the large former agricultural area located to the east of the processing area, discrete sample results will be compared directly to the R-SRL.

For those cases where the analytical data set for a non-residential DU will be used to calculate the 95% upper confidence limit (UCL) of the mean, if the 95% UCL is less than remediation criteria, the remedial action will be deemed as compliant with remediation objectives. Non-normal distributions will be addressed using standard statistical methodologies, as appropriate, to yield similar tests of confidence. If the 95% UCL exceeds remediation criteria, then the data will be assessed to evaluate whether additional sampling is warranted or if additional targeted excavation is required.



## Section 10.0, Tenth Bullet

The tenth bullet item in Section 10.0 will be amended to read:

 Results of laboratory analysis for confirmation sampling and associated 95% UCL calculations, where applicable

## Section 12.0, Schedule Table

The schedule presented in Section 12.0 will be replaced with the following:

Activity	Start Date	End Date
Submit Remedial Action Plan to ADEQ for	9/14/2016	10/24/2016
Review and Comment		
Submit Revised Remedial Action Plan to	-	5/17/2017
ADEQ for Review and Comment		
Receive Comments from ADEQ on Remedial	-	6/21/2017
Action Plan		
Submit Revised Remedial Action Plan (if	-	7/31/ 2017
necessary) to ADEQ for Approval		
Receive Approval from ADEQ on Remedial	-	8/4/2017
Action Plan		
Prepare Technical Specifications for	-	6/2/2017
Contractor Solicitation		
Soil Removal Action Solicitation Issued	-	8/10/2017
Conduct Bid Walk at Site	-	8/18/2017
Remedial Contractor Evaluation and Award	-	9/8/2017
Remedial Contractor Notice to Proceed		10/24/2017
Conduct Remedial Action	11/1/2017	12/29/2017
Prepare Remedial Action Completion Report	1/2/2018	2/9/2018
Submit Remedial Action Completion Report to	-	2/9/2018
ADEQ for Review and Comment		
Receive Comments from ADEQ on Draft	-	3/26/2018
Remedial Action Completion Report		
Submit Final Remedial Action Completion	-	4/13/2018
Report to ADEQ for Approval		
Submit DEUR and Request for NFA Report	4/16/2018	4/16/2018

# Table 1

Table 1 presenting a summary of Decision Units, historical sampling results, proposed remediation activities, and proposed confirmation sampling has been divided into two tables. The revised Table 1 presents the list of DUs, the size of the DU, a summary of the historical data associated with each DU, the source(s) of the data, and the proposed action for each DU along with the proposed cleanup goal. Table 2 presents the list of DUs, the proposed action for each DU, and the proposed number and location of laboratory confirmation samples to be collected within each DU at specific depth

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intervals. Table 2 also indicates whether historical sampling data exists at the listed depth intervals and if there is overlapping confirmation data from adjacent DUs. The revised Tables 1 and 2 are attached to this correspondence.

## Figures 4, 5, and 6

Figures 4, 5, and 6 have been revised as follows:

- DUs 16, 17, 18, and 19 immediately to the east of the processing area at the Site have been replaced with DUs of one acre or less. These new DUs 16, 17, 18, 19, and 29 are divided into subunits of ¼-acre or less.
- DU 25 has been replaced with four DUs of one acre or less. These new DUs are divided into subunits of 1/4-acre of less.

The revised Figures are attached to this correspondence.

**\* \* \*** 

Thank you for the opportunity to meet with you to discuss confirmation sampling strategies for this project. If you have any additional questions or comments, please contact Elizabeth Zima with the City of Phoenix (elizabeth.zima@phoenix.gov) or me (janet.workman@aecom.com).

Sincerely, AECOM

EXPIRES 03-31-2020

Janet M. Workman, P.E. Project Manager

C: Elizabeth Zima, City of Phoenix

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#### Attachments:

- Table 1. Summary Description of Decision Units, Historical Sampling, and Proposed Remediation Activities
- Table 2. Summary of Proposed Confirmation Sampling Following Excavation
- Figure 4. Proposed Decision Units
- Figure 5. Proposed Sampling Locations
- Figure 6. Proposed Laboratory Confirmation Sampling Locations

Decision Unit (size in acres)	Existing Sample Points	Depth (feet) see notes	Analysis Type	Results (As=Arsenic; Pb=Lead; Mn=Manganese; Tl=Thallium; SRL=Soil Remediation Level; NR=Non-Residential; R=Residential; RL= Reporting Limit)	Reference	Actions
	PO-4	0.5	Lab	No exceedances	URS, 2013 Phase II ESA	
	SB-1	2, 15	Lab	No exceedances	URS, 2012 Manganese Ore Area Letter	
	DS-8	0.5, <b>3</b>	Lab	Exceed As, Pb NR-SRL at 0.5 feet Exceed Tl R-SRL at 0.5 feet		
	DS-9	0.5, <b>3</b>	Lab	Exceed As, Pb, Mn, Tl NR-SRL at 0.5 feet	URS, 2013 Phase II ESA	
	PO-2	0.5	Lab	No exceedances		
	PO-3	0.5	Lab	No exceedances		
	A5	0.5, 3, 6	XRF	No exceedances		Re-locate concrete saddles to site area not impacted by site activities. Excavate as indicated on Figure 3. Decision Units 2, 7, and 8 are also located within this DU. Collect confirmation samples from sidewalls at 0.5 feet and floor of excavation.
	A5	3	Lab	As equals NR-SRL at 3 feet		
	B4	0.5, 3, 6	XRF	No exceedances		
	B6	0.5 <i>, 3, 6</i>	XRF	Exceed Mn, Pb NR-SRL at 0.5 feet		
1a	В6	3	Lab	No exceedances		
(1.145)	В8	0.5 <i>, 3, 6</i>	XRF	No exceedances		
(1.1.3)	C5	0.5, 3, 6	XRF	No exceedances	URS, 2016 Soil Sampling and Risk	
				Exceed Mn, Pb NR-SRL at 0.5 feet	Assessment Results Report	
	C7	0.5, <i>3, 6</i>	XRF	Exceed Mn R-SRL at 3 and 6 feet	Assessment Nesults Nepolt	Cleanup Goal: Non-Residential
	C9	0.5 <i>, 3, 6</i>	XRF	Exceed TI R-SRL at 3 feet		
	C9	3	Lab	No exceedances		
	D4	0.5, 3, 6	XRF	No exceedances		
	D6	0.5, <i>3, 6</i>	XRF	Exceed Mn, Pb NR-SRL at 0.5 feet		
	D6	6	Lab	No exceedances		
	D8	0.5 <i>, 3, 6</i>	XRF	Exceed Mn, Pb NR-SRL at 0.5 feet		
	E5	0.5, 3, 6	XRF	Exceed TI R-SRL at 3 feet		
	E7	0.5, 3, 6	XRF	Exceed Mn R-SRL at 0.5 feet		
	E9	0.5, 3, 6	XRF	No exceedances	-	
	E9	6	Lab	No exceedances		
	55.4	2.4	Lok	See DIL 7	LIDS 2012 May and One Area Latter	
	SS-4	2, 4	Lab	See DU 7	URS, 2012 Manganese Ore Area Letter	
	SS-5	2, 4 2, <b>4</b>	Lab	See DU 8	1	
	SS-15	۷, 4	Lab	See DU 2		

Table 1. Summary Description of Decision Units, Historical Sampling, and Proposed Remediation Activities

Decision Unit (size in acres)	Existing Sample Points	Depth (feet) see notes	Analysis Type	Results (As=Arsenic; Pb=Lead; Mn=Manganese; Tl=Thallium; SRL=Soil Remediation Level; NR=Non-Residential; R=Residential; RL= Reporting Limit)	Reference	Actions
	DS-7	0.5, <b>3</b>	Lab	Exceed As, Pb, Tl NR-SRL at 0.5 feet Exceed As, Pb NR-SRL at 0.5 feet		
	DS-6	0.5, <b>3</b>	Lab	Exceed TI R-SRL at 0.5 feet		
	PO-6	0.5	Lab	No exceedances	URS, 2013 Soil Investigation Additional	
	DS-3	0.5, <b>3</b>	Lab	Exceed As, Pb NR-SRL at 0.5 feet	Analyses - Selected Lower Depth Samples	
	DS-4	0.5	Lab	No exceedances	Correspondence	
	DS-5	0.5, <b>3</b>	Lab	Exceed As NR-SRL at 0.5 feet Exceed Mn, TI R-SRL at 0.5 feet	Correspondence	
	PO-8	0.5, <b>3</b>	Lab	Exceed As, Pb, Mn, Tl NR-SRL at 0.5 feet		
	SB-2	2, 15	Lab	No exceedances	URS, 2012 Manganese Ore Area Letter	
	SS-16	2	Lab	No exceedances	ONS, 2012 Manganese Ore Area Letter	
	F4	0.5, 3, 6	XRF	Exceed Mn R-SRL at 0.5 feet		
				Exceed Pb NR-SRL at 0.5 feet	1	
	F6	0.5 <i>, 3, 6</i>	XRF	Exceed Mn R-SRL at 0.5 feet		
1b	F6 G5	0.5 0.5, <i>3, 6</i>	Lab XRF	Exceed Pb NR-SRL at 0.5 feet Exceed Mn R-SRL at 0.5 feet As, TI RLs above NR-SRL Exceed TI R-SRL at 0.5 feet		Excavate as indicated on Figure 3. Decision Units 1c, 1d, 6, and 10 are also located within this DU. Collect confirmation samples from sidewalls at 0.5 feet and floor of excavation.  Confirmation samples to be collected east of PO-8 in excavation sidewalls (DU 17)  Cleanup Goal: Non-Residential
(1.684)	H4	0.5, 3, 6	XRF	Exceed TI R-SRL at 0.5 feet		
(1.064)	H4	3	Lab	No exceedances	1	
	H6	0.5, 3, 6	XRF	Exceed Pb, Mn NR-SRL at 0.5 feet		
	H6	0.5	Lab	Exceed Pb, Mn NR-SRL at 0.5 feet As, Tl RLs above NR-SRL		
	13	0.5, 3, 6	XRF	Exceed Pb, MN R-SRL at 0.5 feet Exceed TI R-SRL at 0.5 feet	URS, 2016 Soil Sampling and Risk Assessment Results Report	
	15	0.5 <i>, 3, 6</i>	XRF	Exceed Mn R-SRL at 0.5 feet	- Assessment Results Report	
	J4	0.5, 3, 6	XRF	Exceed Mn R-SRL at 0.5 feet		
	J6	0.5	XRF	Exceed Pb, Mn NR-SRL at 0.5 feet		
	К3	0.5, 3, 6	XRF	Exceed Mn R-SRL at 0.5 feet		
	K5	0.5 <i>, 3, 6</i>	XRF	Exceed As NR-SRL at 0.5 feet Exceed Mn R-SRL at 0.5 feet Exceed As NR-SRL at 0.5 feet		
	K7	0.5 <i>, 3, 6</i>	XRF	Exceed Mn R-SRL at 0.5 feet		
	K7	3	Lab	No exceedances	1	
	L4	0.5, 3, 6	XRF	See DU 10	-	
	L6	0.5, 3, 6	XRF	No exceedances	1	
	L8	0.5, 3, 6	XRF	Exceed As, Pb, Mn NR-SRL at 0.5 feet	1	
	M3	0.5, 3, 6	XRF	Exceed Mn R-SRL at 0.5 feet	1	

Table 1. Summary Description of Decision Units, Historical Sampling, and Proposed Remediation Activities

Decision Unit (size in acres)	Existing Sample Points	Depth (feet) see notes	Analysis Type	Results (As=Arsenic; Pb=Lead; Mn=Manganese; Tl=Thallium; SRL=Soil Remediation Level; NR=Non-Residential; R=Residential; RL= Reporting Limit)	Reference	Actions
				Exceed Mn R-SRL at 0.5 feet		
	M5	0.5, 3, 6	XRF	Exceed Tl R-SRL at 3 feet		
1b (cont)	M7	0.5, <i>3, 6</i>	XRF	Exceed As, Pb, Mn NR-SRL at 0.5 feet	URS, 2016 Soil Sampling and Risk	
(1.684)	M9	0.5, <i>3, 6</i>	XRF	Exceed Mn R-SRL at 6 feet	Assessment Results Report	
(1.004)	N8	0.5, <i>3, 6</i>	XRF	Exceed Tl R-SRL at 3 feet	Assessment Nesults Report	
	RE-M9	8	XRF	No exceedances		
	Re-PO-8	8	XRF	No exceedances		
	H6	0.5 <i>, 3, 6</i>	XRF	Exceed Pb, Mn NR-SRL at 0.5 feet		Vactor soil/processed ore off of concrete surface. Excavate soil around the edge of the concrete to base of
1c (0.101)	H6	0.5	Lab	Exceed Pb, Mn NR-SRL at 0.5 feet As, Tl RLs above NR-SRL	URS, 2016 Soil Sampling and Risk Assessment Results Report	footer and collect samples. Sample base of excavation around the concrete
,	J6	0.5	XRF	Exceed Pb, Mn NR-SRL at 0.5 feet	·	Cleanup Goal: Non-Residential
1d (0.013)	None					Grub between semi-circular concrete structures. Vactor soil/processed ore off of concrete surface. Excavate soil around the edge of the concrete to the depth of the footer. Sample base of excavation around the concrete.  Cleanup Goal: Non-Residential

Table 1. Summary Description of Decision Units, Historical Sampling, and Proposed Remediation Activities

Decision Unit (size in acres)	Existing Sample Points	Depth (feet) see notes	Analysis Type	Results (As=Arsenic; Pb=Lead; Mn=Manganese; Tl=Thallium; SRL=Soil Remediation Level; NR=Non-Residential; R=Residential; RL= Reporting Limit)	Reference	Actions	
2 (0.009)	SS-15	2, <b>4</b>	Lab	Exceed As, Pb, Mn, Tl NR-SRL at 2 feet	URS, 2012 Manganese Ore Area Letter	Excavate as shown on Figure 3. Collect confirmation samples from side walls at 3 feet and floor of excavation  Cleanup Goal: Non-Residential	
	DS-2	0.5, <b>3, 6</b>	Lab	Exceed As, Mn NR-SRL at 0.5 feet Exceed TI R-SRL at 0.5 feet Exceed Mn R-SRL at 3 feet	URS, 2013 Phase II ESA	Demolish concrete as necessary. Excavate as shown on	
3 (0.170)	3	0.5 <i>, 3, 6</i>	XRF	Exceed As, Mn, Pb NR-SRL at 0.5 feet	URS, 2016 Soil Sampling and Risk Assessment Results Report	Figure 3. Collect confirmation samples from side walls a 0.5 feet and floor of excavation.  Cleanup Goal: Non-Residential	
	SB-3 SB-4	2, 3 2, <b>15</b>	Lab Lab	Exceed As, Mn NR-SRL at 2 feet Exceed As, Pb, Mn NR-SRL at 3 feet Exceed TI R-SRL at 2 and 3 feet Exceed Sb R-SRL at 3 feet No Exceedances	URS, 2012 Manganese Ore Area Letter	Demolish concrete as necessary. Excavate as shown on	
4	DP-7	0.5, 2, 4	Lab Lab	No Exceedances Exceed As, Mn, Tl NR-SRL at 0.5 Exceed Sb, Pb R-SRL at 0.5 feet	URS, 2013 Phase II ESA	Figure 3. Collect confirmation samples from side walls and floor of excavation to confirm below NR-SRLs.  Sidewall sample locations to include 3 depths at each	
(0.115)	Re-SB-3 8, 10 XRF Exceed Mn R-SRL at 8 feet  Exceed Mn R-SRL at 3 feet  Exceed As NR-SRL at 6 feet  URS, 2016 Soil Sampling and Risk	location (0.5, 3, and 6).  Cleanup Goal: Non-Residential					
	07 07	0.5, 3, 6 6	XRF Lab	Exceed Mn R-SRL at 6 feet  Exceed Mn R-SRL at 6 feet  As high RL above NR-SRL	Assessment Results Report		

Table 1. Summary Description of Decision Units, Historical Sampling, and Proposed Remediation Activities

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Decision Unit (size in acres)	Existing Sample Points	Depth (feet) see notes	Analysis Type	Results (As=Arsenic; Pb=Lead; Mn=Manganese; Tl=Thallium; SRL=Soil Remediation Level; NR=Non-Residential; R=Residential; RL= Reporting Limit)	Reference	Actions
	G9	05.2.6	XRF	No Exceedances		
	H8	0.5, 3, 6 0.5	XRF	No Exceedances		
	H10		XRF	Exceed Mn, Pb NR-SRL at 3 feet		
	ито	0.5, 3, 6	ARF	Exceed Will, PD NR-SRL at 3 feet  Exceed Pb NR-SRL at 3 feet		
	10	0.5.2.6	XRF	Exceed Mn R-SRL at 3 feet  Exceed Mn R-SRL at 3 feet		
	19	0.5, 3, 6	XKF			
	10	3	Lab	Exceed Pb NR-SRL; As, TI high RLs above NR-SRLs; Exceed Mn R-SRL		
	19   111		Lab XRF	Exceed Mn R-SRL at 0.5 feet		Falls described and a fact and 6
		0.5, 3, 6				Following grubbing, sample location H8 at 3 feet and 6
	J8	0.5	XRF	Exceed Mn, Pb R-SRL at 0.5 feet Exceed Pb NR-SRL		feet and analyze for target compounds. (Goal is to verify
	10	0.5	Lab			the excavation depth - 0.5 feet vs 3 feet.) Remove top 2
	J8 J10	0.5	Lab XRF	As, TI high RL above NR-SRLs  Exceed Mn R-SRL at 3 feet		feet of soil, stockpile, and sample for target compounds.
F-		0.5, 3, 6		Exceed Mn, Pb NR-SRL at 3 feet	LIDS 2016 Soil Sounding and Birls	Pending results of analysis, soil will either be transported
5a	J12	0.5, 3, 6	XRF	·	URS, 2016 Soil Sampling and Risk	and disposed, or used as backfill. Complete excavation to
(1.108)	J12	2	Lab	Exceed Mn, Pb NR-SRL; As, TI high RLs above NR- SRLs	Assessment Results Report	depth indicated on Figure 3 unless field changes are
	J12	3	Lab			made based on sampling results at H8. Collect
	140	05.2.6	VDE	Exceed Pb NR-SRL at 3 feet		confirmation samples from side walls (at depth of 0.5
	K9	0.5, 3, 6	XRF	Exceed Mn R-SRL at 3 feet		and/or 3 feet) and floor of excavation.
	K11	0.5, 3, 6	XRF	Exceed Mn, Pb NR-SRL at 3 feet		Classic Cash Nan Basidantial
	1/4.4	2	1 - 1-	Exceed As NR-SRL		Cleanup Goal: Non-Residential
	K11	3	Lab	Exceed Mn, Pb R-SRL		
	140	0.5.3.6	VDE	Exceed Pb NR-SRL at 3 feet		
	L10	0.5, 3, 6	XRF	Exceed Mn R-SRL at 3 feet and 6 feet		
	L10	3	Lab	Exceed Mn, Pb NR-SRL; As, Tl RL > NR-SRL		
	ReH10	0.5	XRF	No Exceedances		
	Re-19	0.5	XRF	No Exceedances		
	Re-J12	0.5	XRF	No Exceedances		
	Re-L10	8	XRF	No Exceedances		

Table 1. Summary Description of Decision Units, Historical Sampling, and Proposed Remediation Activities

Decision Unit (size in acres)	Existing Sample Points	Depth (feet) see notes	Analysis Type	Results (As=Arsenic; Pb=Lead; Mn=Manganese; Tl=Thallium; SRL=Soil Remediation Level; NR=Non-Residential; R=Residential; RL= Reporting Limit)	Reference	Actions
				Exceed As NR-SRL at 0.5 and 3 Exceed Mn, Pb, TI R-SRL at 0.5 feet and TI R-SRL at 3	URS, 2013 Soil Investigation Additional Analyses - Selected Lower Depth Samples Correspondence	
	PO-7	0.5. 3, <b>6</b>	Lab	Exceed Pb, Mn NR-SRL at 3 feet	Correspondence	
	F6	0.5, 3, 6	XRF	Exceed Pb NR-SRL at 0.5 feet Exceed Mn R-SRL at 0.5 feet		
				Exceed Pb NR-SRL; As, TI high RL above NR-SRL		
	F6	0.5	Lab	Exceed Mn R-SRL		
				Exceed Pb NR-SRL at 0.5 feet		Following grubbing, sample locations I7 and J8 at 3 and 6
	F8	0.5, 3, 6	XRF	Exceed Mn R-SRL at 0.5 feet		feet and analyze for target compounds. (Goal is to verify
	F8	6	Lab	No Exceedances		the excavation depth - 0.5 feet vs 3 feet.) Complete
				Exceed Mn, Pb NR-SRL at 0.5 feet		excavation to depth indicated on Figure 3 unless field
5b	G7	0.5, 3, 6	XRF	Exceed Mn, Pb NR-SRL at 3 feet		change are made based on laboratory results. Collect
(0.544)				Exceed Pb, Mn NR-SRL at 3 feet		confirmation samples from side walls and floor of
	G7	3	Lab	As, TI high RLs above NR-SRLs	URS, 2016 Soil Sampling and Risk	excavation. Wall samples will be collected at two depths
	G9	0.5, 3, 6	XRF	No Exceedances	Assessment Results Report	(0.5 feet and 3 feet) at each sampling location.
	H6	0.5, 3, 6	XRF	Exceed Mn, Pb NR-SRL at 0.5 feet		
				Exceed Mn, Pb NR-SRL; As, Tl high RLs above NR-		Cleanup Goal: Non-Residential
	H6	0.5	Lab	SRLs		
	Н8	0.5	XRF	No Exceedances		
	17	0.5	XRF	Exceed Mn, Pb NR-SRL at 0.5 feet		
				Exceed Mn, Pb NR-SRL; As, TI high RLs above NR-		
	17	0.5	Lab	SRLs		
	J8	0.5	XRF	Exceed Mn, Pb R-SRL at 0.5 feet		
				Exceed Pb NR-SRL; As and Tl high RLs above NR-SRLs		
	J8	0.5	Lab	Exceed Mn R-SRL		

Table 1. Summary Description of Decision Units, Historical Sampling, and Proposed Remediation Activities

Decision Unit (size in acres)	Existing Sample Points	Depth (feet) see notes	Analysis Type	Results (As=Arsenic; Pb=Lead; Mn=Manganese; Tl=Thallium; SRL=Soil Remediation Level; NR=Non-Residential; R=Residential; RL= Reporting Limit)	Reference	Actions
				Exceed As NR-SRL at 0.5 and 3		
				Exceed Mn, Pb, Tl R-SRL at 0.5 feet		
	OP-1	0.5, 3, <b>6</b>	Lab	Exceed Mn R-SRL at 3 feet		
	OP-2	0.5	Lab	No Exceedances		
				Exceed As NR-SRL at 0.5 and 3 feet	_	
				Exceed Pb NR-SRL at 3 feet	URS, 2013 Phase II ESA	Excavate to depth shown in Figure 3. Perform
	OP-3	0.5, 3, <b>6</b>	Lab	Exceed Mn, Tl R-SRL at 0.5 and 3 feet	and	confirmation sampling on excavation floor and sidewalls.
	OP-4	0.5, 3	Lab	Exceed MN R-SRL at 0.5 and 3 feet	URS, 2013 Soil Investigation Additional	Sidewall samples will be collected at a depth of 3 feet.
		0.7.0		Exceed As NR-SRL at 0.5 feet	Analyses - Selected Lower Depth Samples	
	OP-5	0.5, 3	Lab	Exceed Mn, TI R-SRL at 0.5 feet	Correspondence	Cleanup Goal: Non-Residential
	00.6	05.26	1 - 1-	Exceed As NR-SRL at 0.5 and 3 feet		
6	OP-6	0.5, 3, <b>6</b>	Lab	Exceed Mn R-SRL at 0.5 and 3 feet		
6	OP-7	0.5, 3	Lab	Exceed As, Mn, Pb, Tl NR-SRL at 0.5 Exceed As, Mn, Pb, NR-SRL at 0.5		
(0.111)	OP-8	0.5, 3	Lab	Exceed TI R-SRL at 0.5 feet		
	OF-8	0.5, 5	Lab	Exceed As NR-SRL at 0.5 feet		
				Exceed As, Mn, Pb NR-SRL at 3 feet		
	DS-1	0.5, 3, <b>6</b>	Lab	Exceed Mn R-SRL at 0.5 feet		
		3.3, 3, 3	200	Exceed As, Pb NR-SRL at 0.5 feet		
				Exceed As NR-SRL at 3 feet		
	DS-10	0.5, 3, <b>6</b>	Lab	Exceed Mn R-SRL at 0.5 and 3 feet	URS, 2016 Soil Sampling and Risk	
		. ,		Exceed As NR-SRL at 0.5 feet	Assessment Results Report	
	K7	0.5, 3, <i>6</i>	XRF	Exceed Mn R-SRL at 0.5 feet		
	K7	3	Lab	No Exceedances		
	L6	0.5, 3, 6	XRF	No Exceedances		
	L8	0.5, 3, <i>6</i>	XRF	Exceed As, Mn, Pb NR-SRL at 0.5 feet		
7 (0.009)	SS-4	2, 4	Lab	Exceed As, Pb, Mn, TI NR-SRL at 2 feet Exceed As NR-SRL at 4 feet Exceed Mn R-SRL at 4 feet	URS, 2012 Manganese Ore Area Letter	Excavate as shown on Figure 3. Collect confirmation samples from side walls at 0.5 and 4 feet and floor of excavation.  Cleanup Goal: Non-Residential

Table 1. Summary Description of Decision Units, Historical Sampling, and Proposed Remediation Activities

Decision Unit (size in acres)	Existing Sample Points	Depth (feet) see notes	Analysis Type	Results (As=Arsenic; Pb=Lead; Mn=Manganese; Tl=Thallium; SRL=Soil Remediation Level; NR=Non-Residential; R=Residential; RL= Reporting Limit)	Reference	Actions
8 (0.009)	SS-5	2, 4	Lab	Exceed As, Pb, Mn, Tl NR-SRL at 2 feet Exceed As NR-SRL at 4 feet Exceed Mn R-SRL at 4 feet	URS, 2012 Manganese Ore Area Letter	Excavate as shown on Figure 3. Collect confirmation samples from side walls at 0.5 and 4 feet and floor of excavation.  Cleanup Goal: Non-Residential
9 (0.009)	O3 O3	O3 0.5 Lab Exceed As NR-SRL at 0.5 feet  URS, 2016 Soil Sampling and		URS, 2016 Soil Sampling and Risk Assessment Results Report	Using existing laboratory sample at O3, calculate 95% UCL for DU 12. If 95% UCL exceeds the NR-SRL, excavate this area and collect 2 floor samples, and one sidewall sample from each wall of the excavation. Use the maximum concentration value to re-calculate the 95% UCL for DU 12.  Cleanup Goal: Non-Residential	
10 (0.009)	L4	0.5, <i>3, 6</i>	XRF	Exceed As NR-SRL at 0.5 feet Exceed As NR-SRL at 6 feet (1 of 5 readings) Exceed Mn R-SRL at 0.5 feet	URS, 2016 Soil Sampling and Risk Assessment Results Report	Pothole this location and collect samples at 3 and 6 feet for laboratory analysis of target compounds. Pending results, excavate to depth as shown on Figure 3 or to 6 inches beyond the deepest exceedance of the NR-SRL. Collect confirmation samples from side walls at 0.5 feet and floor of excavation.  Cleanup Goal: Non-Residential

Table 1. Summary Description of Decision Units, Historical Sampling, and Proposed Remediation Activities

Decision Unit (size in acres)	Existing Sample Points	Depth (feet) see notes	Analysis Type	Results (As=Arsenic; Pb=Lead; Mn=Manganese; Tl=Thallium; SRL=Soil Remediation Level; NR=Non-Residential; R=Residential; RL= Reporting Limit)	Reference	Actions			
	PO-5	0.5	Lab	No Exceedances	URS, 2013 Phase II ESA				
	A1	0.5, 3, 6	XRF	Exceed TI R-SRL at 3 feet					
	A1	0.5	Lab	No Exceedances					
	A3	0.5, 3, 6	XRF	No Exceedances					
	B2	0.5, 3, 6	XRF	No Exceedances					
	B4	0.5, 3, 6	XRF	No Exceedances					
	C1	0.5, 3, 6	XRF	No Exceedances		Five existing laboratory-analyzed samples. Collect			
	C3	0.5, 3, 6	XRF	No Exceedances		additional soil samples for laboratory analysis to confirm			
44	D2	0.5, 3, 6	XRF	Exceed Hg R-SRL at 3 feet		soils less than NR-SRLs.			
11	D2	6	Lab	No Exceedances	URS, 2016 Soil Sampling and Risk	Cleanup Goal: Non-Residential			
(1.158)	D4	0.5, 3, 6	XRF	No Exceedances	Assessment Results Report				
	E1	0.5, 3, 6	XRF	No Exceedances					
-	E3	0.5, 3, 6	XRF	Exceed TI R-SRL at 3 feet					
	E3	0.5	Lab	No Exceedances					
	F2	0.5, 3, 6	XRF	No Exceedances					
	F2	0.5	Lab	No Exceedances					
	G1	0.5, 3, 6	XRF	No Exceedances					
	G3	0.5, 3, 6	XRF	No Exceedances					
	H2	0.5, 3, 6	XRF	No Exceedances					
	H2	0.5, 3, 6	XRF	No Exceedances	URS, 2013 Phase II ESA				
	I1	0.5, 3, 6	XRF	Exceed TI R-SRL at 3 feet		1			
	I1	3	Lab	No Exceedances					
	13	0.5, 3, 6	XRF	Exceed Mn, Pb R-SRL at 0.5 feet					
	J2	0.5, 3, 6	XRF	No Exceedances		Two existing laboratory-analyzed samples. Collect			
	J2	3	Lab	No Exceedances		additional soil samples for laboratory analysis to confirm			
12 (1.104)	K1	0.5, 3, 6	XRF	No Exceedances		soils less than NR-SRLs. DU 9 is also located within this			
	К3	0.5, 3, 6	XRF	No Exceedances	URS, 2016 Soil Sampling and Risk	DU.			
	L2	0.5, 3, 6	XRF	No Exceedances	Assessment Results Report	Ju.			
	M1	0.5, 3, 6	XRF	No Exceedances		Cleanup Goal: Non-Residential			
	M3	0.5, 3, 6	XRF	No Exceedances		Cleanup Odai. Non-nesidentiai			
	N2	0.5, 3, 6	XRF	No Exceedances					
	N4	0.5, 3, 6	XRF	No Exceedances					
	01	0.5, 3, 6	XRF	Exceed TI R-SRL at 0.5 feet					
	03	0.5, 3, 6	XRF	See DU 9					

Table 1. Summary Description of Decision Units, Historical Sampling, and Proposed Remediation Activities

Decision Unit (size in acres)	Existing Sample Points	Depth (feet) see notes	Analysis Type	Results (As=Arsenic; Pb=Lead; Mn=Manganese; Tl=Thallium; SRL=Soil Remediation Level; NR=Non-Residential; R=Residential; RL= Reporting Limit)	Reference	Actions		
	P2	0.5, 3, 6	XRF	No Exceedances				
	P4	0.5, 3, 6	XRF	No Exceedances				
	P4	6	Lab	No Exceedances				
	Q1	0.5, 3, 6	XRF	No Exceedances		Two existing laboratory-analyzed samples. Collect		
	Q3	0.5, 3, 6	XRF	No Exceedances		additional soil samples for laboratory analysis to confirm		
13	R2	0.5, 3, 6	XRF	No Exceedances	URS, 2016 Soil Sampling and Risk	soils less than NR-SRLs. DU 23 is also located within this		
(1.031)	R4	0.5, 3, 6	XRF	See DU 23	Assessment Results Report	DU.		
	S1	0.5, 3, 6	XRF	Exceed TI R-SRL at 3 feet				
	S3	0.5, 3, 6	XRF	No Exceedances		Cleanup Goal: Non-Residential		
	T1	0.5, 3, 6	XRF	No Exceedances				
	U1	0.5, 3, 6	XRF	No Exceedances				
	U1	3	Lab	No Exceedances				
	SB-3	2, 3	Lab		URS, 2012 Manganese Ore Area Letter			
	SB-4	2, <b>15</b>	Lab		ons, 2012 Wanganese ore Area Letter			
	DP-7	0.5, 2, 4	Lab		URS, 2013 Phase II ESA			
	DP-8	0.5, 2	Lab		01(3), 2013 i iliase il 23/(			
	Re-SB-3	8, 10	XRF	See DU 4				
				Exceed Mn R-SRL at 0.5 feet				
	M5	0.5, 3, 6	XRF	Exceed TI R-SRL at 3 feet		One existing laboratory-analyzed sample (outside of DU		
	N6	0.5, 3, 6	XRF	See DU 21		3 and DU 4). Collect additional soil samples for		
	N8	0.5, 3, 6	XRF	Exceed Tl R-SRL at 3 feet		laboratory analysis to confirm soils less than NR-SRLs.		
14	05	0.5, 3, 6	XRF	Exceed TI R-SRL at 3 feet		Samples from DU 3, 4, and 21 within this area will		
(0.831)	07	0.5, 3, 7	XRF			provide additional information.		
	07	6	Lab	See DU 4	URS, 2016 Soil Sampling and Risk	provide additional information.		
	09	0.5, 3, 6	XRF	Exceed TI R-SRL at 0.5 feet	Assessment Results Report	Cleanup Goal: Non-Residential		
	P6	0.5, 3, 6	XRF	No Exceedances		Sissing Source House Had		
	P8	0.5, 3, 6	XRF	No Exceedances				
	Q5	0.5, 3, 6	XRF	Exceed Tl R-SRL at 3 feet				
	Q7	0.5, 3, 7	XRF	See DU 3				
	Q9	0.5, 3, 6	XRF	Exceed TI R-SRL at 0.5 and 3 feet				
	Q9	6	Lab	No Exceedances				

Table 1. Summary Description of Decision Units, Historical Sampling, and Proposed Remediation Activities

Decision Unit (size in acres)	Existing Sample Points	Depth (feet) see notes	Analysis Type	Results (As=Arsenic; Pb=Lead; Mn=Manganese; Tl=Thallium; SRL=Soil Remediation Level; NR=Non-Residential; R=Residential; RL= Reporting Limit)	Reference	Actions			
	SS-17	2	Lab	No Exceedances	URS, 2012 Manganese Ore Area Letter				
	SS-17 <b>2</b> R6 0.5, 3, 6		XRF	No Exceedances					
	R8	0.5, 3, 6	XRF	Exceed Pb, Mn R-SRL at 0.5 feet					
	S5	0.5, 3, 6	XRF	Exceed Mn R-SRL at 0.5 feet					
	S5	6	Lab	No Exceedances					
	S7	0.5, 3, 6	XRF	Exceed Mn R-SRL at 0.5 feet		Three existing laboratory-analyzed samples. Prior to			
		, ,		Exceed As NR-SRL at 6 feet		excavation, pothole at S9 and T4 to collect soil samples			
45	S9	0.5, 3, 6	XRF	Exceed Tl R-SRL at 0.5 feet		at three depths for laboratory analysis to evaluate for			
15	Re-S9	8	XRF	No Exceedances	LIDS 2016 Soil Sometime and Bigli	As. Collect additional soil samples at 0.5 feet for			
(0.951)	T4	0.5, 3, 6	XRF	Exceed As NR-SRL at 6 feet	URS, 2016 Soil Sampling and Risk	laboratory analysis to confirm soils less than NR-SRLs.			
	Re-T4	8	XRF	No Exceedances	Assessment Results Report				
	T6	0.5, 3, 6	XRF	Exceed Pb, Mn R-SRL at 0.5 feet		Cleanup Goal: Non-Residential			
	T8	0.5, 3, 6	XRF	Exceed Mn R-SRL at 0.5 feet					
	T8	6	Lab	No Exceedances					
	U3	0.5, 3, 6	XRF	No Exceedances					
	U5	0.5, 3, 6	XRF	No Exceedances					
	U7	0.5, 3, 6	XRF	No Exceedances					
	U9	0.5, 3, 6	XRF	No Exceedances					
	Q11	0.5, 3, 6	XRF	Exceed Tl R-SRL at 3 feet					
	R10	0.5, 3, 6	XRF	No Exceedances		One existing laboratory-analyzed sample. Collect			
	S11	0.5, 3, 6	XRF	No Exceedances		composite soil samples for laboratory analysis to confirm			
16	T10	0.5, 3, 6	XRF	Exceed TI R-SRL at 0.5 feet	URS, 2016 Soil Sampling and Risk	soils less than R-SRLs. Discrete samples at Q11 and U11			
(0.859)				Exceed TI R-SRL at 3 feet	Assessment Results Report	at 0.5 and 3 feet to verify TI concentration.			
				(lab data <r-srl))< td=""><td></td><td></td></r-srl))<>					
	U11	0.5, 3, 6	XRF	Exceed TI R-SRL at 6 feet		Cleanup Goal: Residential			
	U11	3	Lab	No Exceedances					
	M11	0.5, 3, 6	XRF	Exceed TI R-SRL at 0.5 feet and 3 feet					
				Exceed As NR-SRL at 3 feet					
	M13	0.5, 3, 6	XRF	(lab data <r-srl)< td=""><td></td><td>Two existing laboratory-analyzed samples. Collect</td></r-srl)<>		Two existing laboratory-analyzed samples. Collect			
	M13	3	Lab	No Exceedances		composite soil samples for laboratory analysis to confirm			
17	N10	0.5, 3, 6	XRF	No Exceedances	URS, 2016 Soil Sampling and Risk	soils less than R-SRLs at 0.5 feet. Sample at M11 to verify			
(0.816)	N12	0.5, 3, 6	XRF	No Exceedances	Assessment Results Report	that TI does not exceed the R-SRL.			
	011	0.5, 3, 6	XRF	No Exceedances					
	013	0.5, 3, 6	XRF	No Exceedances		Cleanup Goal: Residential			
	013	3	Lab	No Exceedances					
	P10	0.5, 3, 6	XRF	See DU 20					

Table 1. Summary Description of Decision Units, Historical Sampling, and Proposed Remediation Activities

Decision Unit (size in acres)	Existing Sample Points	Depth (feet) see notes	Analysis Type	Results (As=Arsenic; Pb=Lead; Mn=Manganese; Tl=Thallium; SRL=Soil Remediation Level; NR=Non-Residential; R=Residential; RL= Reporting Limit)	Reference	Actions
	l13	0.5, 3, 6	XRF	No Exceedances		
	J14	0.5, 3, 6	XRF	Exceed TI R-SRL at 0.5 feet		
	J14	3	Lab	No Exceedances		
	K13 0.5, 3, 6 XRF No Exceedances			Three existing laboratory-analyzed samples. Collect		
	L12 0.5, 3, 6 XRF No Exceedances			composite soil samples for laboratory analysis to confirm		
18			URS, 2016 Soil Sampling and Risk	soils less than R-SRLs at 0.5 and 3 feet. Sample at J14 to		
(0.962)	(0.962) Exceed As NR-SRL at 3 feet  (1ab data < R-SRL)		Assessment Results Report	verify that TI does not exceed the R-SRL at 0.5 feet.		
	M13 0.5, 3, 6 XRF (lab data <r-srl)< td=""><td></td><td></td></r-srl)<>					
	M13 3 Lab No Exceedances			Cleanup Goal: Residential		
	Exceed TI R-SRL at 3 feet					
	N14 0.5, 3, 6 XRF (lab data <r-srl)< td=""><td></td><td colspan="3"></td></r-srl)<>					
	N14 <b>3</b> Lab		No Exceedances			
19 (0.920)	C11 E9 E9 E11 F10 F10 G9 G11 H12 I13	0.5, 3, 6 0.5, 3, 6 6 0.5, 3, 6 0.5, 3, 6 0.5, 3, 6 0.5, 3, 6 0.5, 3, 6 0.5, 3, 6	XRF XRF Lab XRF Lab XRF Lab XRF XRF XRF XRF	No Exceedances See DU 22 Exceed TI R-SRL at 3 feet No Exceedances	URS, 2016 Soil Sampling and Risk Assessment Results Report	Two existing laboratory-analyzed samples. Collectcomposite soil samples for laboratory analysis to confirm soils less than R-SRLs at 0.5 and 3 feet. Sample at H12 to verify that TI does not exceed the R-SRL.  Cleanup Goal: Residential
20 (0.009)	P10	0.5, 3, 6	XRF	Exceed As NR-SRL at3 feet	URS, 2016 Soil Sampling and Risk Assessment Results Report	Pothole to 3 feet to collect sample to verify As less than the R-SRL. If NR-SRL is exceeded, excavate to remove an area of 20 feet by 20 feet and collect floor and sidewall samples (6 total).  Cleanup Goal: Residential (pending results of potholed sample)

Table 1. Summary Description of Decision Units, Historical Sampling, and Proposed Remediation Activities

Decision Unit (size in acres)	Existing Sample Points	Depth (feet) see notes	Analysis Type	Results (As=Arsenic; Pb=Lead; Mn=Manganese; Tl=Thallium; SRL=Soil Remediation Level; NR=Non-Residential; R=Residential; RL= Reporting Limit)	Reference	Actions
21 (0.009)	N6	0.5, 3, 6	XRF	Exceed As NR-SRL at 3 feet Exceed Tl R-SRL at 3 feet	URS, 2016 Soil Sampling and Risk Assessment Results Report	Pothole to 3 feet to collect sample to verify As less than the NR-SRL and Tl less than the R-SRL. If NR-SRLs are exceeded, excavate to remove an area of 20 feet by 20 feet and collect floor and sidewall samples (6 total).  Cleanup Goal: Non-Residential
22 (0.009)	G11	0.5, 3, 6	XRF	Exceed TI NR-SRL at 3 feet	URS, 2016 Soil Sampling and Risk Assessment Results Report	Pothole to 3 feet to collect sample to verify TI less than the R-SRL. If NR-SRL is exceeded, excavate to remove an area of 20 feet by 20 feet and collect floor and sidewall samples (6 total).  Cleanup Goal: Residential (pending results of potholed sample)
23 (0.009)	R4	0.5, 3, 6	XRF	Exceed As NR-SRL at 0.5 feet	URS, 2016 Soil Sampling and Risk Assessment Results Report	Re-sample R4 at 0.5 feet for laboratory analysis to verify As concentration. If NR-SRL is exceeded, excavate to remove an area of 20 feet by 20 feet and collect floor and sidewall samples (6 total).  Cleanup Goal: Non-Residential
	RS-1	0.5	Lab	No Exceedances		
	RS-2	0.5	Lab	No Exceedances		
	RS-3	0.5	Lab	No Exceedances		
	RS-4	0.5	Lab	No Exceedances		Collect an additional 10 samples at 0.5 feet for
24	RS-5	0.5	Lab	No Exceedances	URS, 2013 Phase II ESA	laboratory analysis as shown in Figure 5.
	RS-6	0.5	Lab	No Exceedances	•	Classic Carl Builting
	RS-7	0.5	Lab	No Exceedances No Exceedances		Cleanup Goal: Residential
	RS-8	0.5 0.5	Lab Lab	No Exceedances  No Exceedances		
	RS-9 <b>0.5</b> Lab RS-10 <b>0.5</b> Lab		No Exceedances			
	1.5 10	0.5	200	TTO EXCECUATIONS		

Table 1. Summary Description of Decision Units, Historical Sampling, and Proposed Remediation Activities

Decision Unit E	Existing Sample Points	Depth (feet) see notes	Analysis Type	Results (As=Arsenic; Pb=Lead; Mn=Manganese; Tl=Thallium; SRL=Soil Remediation Level; NR=Non-Residential; R=Residential; RL= Reporting Limit)	Reference	Actions
25	PO-9	0.5	Lab	No Exceedances	URS, 2013 Phase II ESA	Collect four composite samples at 0.5 feet for laboratory analysis as shown in Figure 5.
(~ 1 acre)	PO-10	0.5, 3	Lab	No Exceedances		Cleanup Goal: Residential
26 (~ 1 acre)	SS-18	2	Lab	No Exceedances	URS, 2012 Manganese Ore Area Letter	Collect four composite samples at 0.5 feet for laboratory analysis as shown in Figure 5.
(						Cleanup Goal: Residential
27 (~ 1 acre)	None				Not applicable	Collect four composite samples at 0.5 feet for laboratory analysis as shown in Figure 5.
( Tacle)						Cleanup Goal: Residential
28 (~ 1/2 acre)	None				Not applicable	Collect two composite samples at 0.5 feet for laboratory analysis as shown in Figure 5.
						Cleanup Goal: Residential
	A7	0.5, 3, 6	XRF	Exceed TI R-SRL at 3 feet		
<u> </u>	A9	0.5, 3, 6	XRF	Exceed TI R-SRL at 3 feet		
I	A11	0.5, 3, 6	XRF	No Exceedances		
I	A11	3	Lab	No Exceedances		
	В8	0.5, 3, 6	XRF	Exceed TI R-SRL at 3 feet		Collect four composiste soil samples for laboratory
<b>I</b>	B10	0.5, 3, 6	XRF	Exceed TI R-SRL at 0.5 feet		analysis to confirm soils less than R-SRLs. Sample at A7,
29			\	Exceed TI R-SRL at 3 feet	URS, 2016 Soil Sampling and Risk	A9, B8, and B10 to verify that TI does not exceed the R-
(0.818)	C9	0.5, 3, 6	XRF	(lab data <r-srl)< td=""><td>Assessment Results Report</td><td>SRL.</td></r-srl)<>	Assessment Results Report	SRL.
<b>I</b> ⊢	C9	3	Lab	No Exceedances		Cleanup Goal: Residential
<u> </u>	C11 D10	0.5, 3, 6 0.5, 3, 6	XRF XRF	No Exceedances No Exceedances		Cleanup Goal: Residential
<u> </u>	E9		XRF	No Exceedances No Exceedances		
<u> </u>	E9	0.5, 3, 6 <b>6</b>	Lab	No Exceedances		
<u> </u>	E11	0.5, 3, 6	XRF	No Exceedances		

Table 2. Summary of Proposed Confirmation Sampling Following Excavation

				Depth b	elow initial gra	ade (feet)			
Decision Unit (size in acres)	Actions	Proposed Confirmation Samples	0.5 - 1	3.0 - 3.5	4.0 - 4.5	6.0 - 6.5	15	Number Confirmation Samples	Total Number Confirmation Samples Collected Per DU
		Floor	8					8	
		West Wall	3					3	
		North Wall	2					2	
		Northeast Wall	3					3	25
		Southeast Wall	2					2	25
		South Wall	1					1	
	Re-locate concrete saddles to site area not impacted by site	B4	1	1	1			3	
	2, 7, and 8 are also located within this DU. Collect	E4	1	1	1			3	
1a (1.145)	confirmation samples from sidewalls at 0.5 feet and floor of								
(1.145)	excavation.	Existing Samples	1	5	1	1	1		
	Cleanup Goal: Non-Residential								-
		Other DUs							
	DI DI	DU 2 (max value)	1	1					
		DU 7 (max value)	1		2				-
		DU 8 (max value)	1		2				
		,							
		Total by Depth	25	8	7	1	1		
		Floor	11					11	
		West Wall(s)	6					6	
		South Wall(s)	3					3	-
		East Wall	NA					NA	
		North Wall	NA					NA	- 25
		13	1					1	
	Excavate as indicated on Figure 3. Decision Units 1c, 1d, 6, and 10 are also located within this DU. Collect confirmation		1	1				2	
		M3	1	1				2	
1b (1.684)									
(1.684)	Cleanup Goal: Non-Residential  Other  DU 10  DU 10  DU 6	Existing Samples	1	7			1		-
									-
		Other DUs							1
		DU 1c (max value)	depth of sam	ples is unknow	n - correspond	s to footer on o	concrete struct	:ure	1
		DU 1d (max value)		•		s to footer on o			1
		DU 10 (max value)	1		<u> </u>				1
				parately - no s	amples include	d in evaluation	n of 1b		-
		Total by Depth	25	9	0	0	1		†

				Depth b	elow initial gra	de (feet)			
Decision Unit (size in acres)	Actions	Proposed Confirmation Samples	0.5 - 1	3.0 - 3.5	4.0 - 4.5	6.0 - 6.5	15	Number Confirmation Samples	Total Number Confirmation Samples Collected Per DU
	Vactor soil/processed ore off of concrete surface. Excavate	Floor	depth of to be	e determined -	corresponds to	o footer on cor	ncrete structure	8	. 8
_	soil around the edge of the concrete to base of footer and								0
1c (0.101)	collect samples. Sample base of excavation around the concrete.	Existing Samples							
. ,									
	Cleanup Goal: Non-Residential	Total by Depth	TBD	TBD	TBD	TBD	0		
	Grub between semi-circular concrete structures.Vactor	Floor	depth of to be	e determined -	corresponds to	o footer on cor	ncrete structure	8	8
1d	soil/processed ore off of concrete surface. Excavate soil around the edge of the concrete to the depth of the footer.								-
(0.013)	Sample base of excavation around the concrete.	Existing Samples							
	Cleanus Ceals Non Residential								
	Cleanup Goal: Non-Residential	Total by Depth	TBD	TBD	TBD	TBD	0		
		Floor		2				2	
		West Wall	1	1				2	
	Excavate as shown on Figure 3. Collect confirmation samples from side walls at 0.5 and 3 feet and floor of	South Wall	1	1				2	10
2		East Wall	1	1				2	
(0.009)		North Wall	1	1				2	
		Existing Samples					1		
		Total by Depth	4	6	0	0	1		
		Floor	8					8	
		West Wall	1					1	
	Demolish concrete as necessary. Excavate as shown on	South Wall	1					1	12
3	Figure 3. Collect confirmation samples from side walls at 0.5	East Wall	1					1	
(0.170)	feet and floor of excavation.	North Wall	1					1	
	Cleanup Goal: Non-Residential								
		Existing Samples		1		1			
		Total by Depth	12	1	0	1	0		
		Floor				8		8	
	Domalish concepts as need	Northwest Wall	1	1		1		3	
	Demolish concrete as necessary. Excavate as shown on Figure 3. Collect confirmation samples from side walls and floor of excavation to confirm below NR-SRLs. Sidewall	Southwest Wall	1	1		1		3	20
4		Southeast Wall	1	1		1		3	
(0.115)		Northeast Wall	1	1		1		3	
	Cleanup Goal: Non-Residential	Existing Samples					1		
	Cleanup doar. Non-Nesidential								
		Total by Depth	4	4	0	12	1		

Table 2. Summary of Proposed Confirmation Sampling Following Excavation

				Depth b	elow initial gra	ade (feet)			
Decision Unit (size in acres)	Actions	Proposed Confirmation Samples	0.5 - 1	3.0 - 3.5	4.0 - 4.5	6.0 - 6.5	15	Number Confirmation Samples	Total Number Confirmation Samples Collected Per DU
	Faller via a south in a second leasting 110 at 2 feat and 6 feat	Floor		8				8	
	Following grubbing, sample location H8 at 3 feet and 6 feet and analyze for target compounds. (Goal is to verify the	Southwest Wall		2				2	
	excavation depth - 0.5 feet vs 3 feet.) Remove top 2 feet of	Southeast Wall	2	2				4	24
	soil, stockpile, and sample for target compounds. Pending results of analysis, soil will either be transported and	East Wall(s)	4	4				8	
5a	disposed, or used as backfill. Complete excavation to depth	H8 (potholed prior to excavation)		1		1		2	
(1.039)	indicated on Figure 3 unless field changes are made based on sampling results at H8. Collect confirmation samples								
	from side walls (at depth of 0.5 and/or 3 feet) and floor of	Existing Samples							No north or northwest
	excavation.								walls due to excavation DU 5b
		Total by Depth	6	17	0	1	0		
		Floor		6				6	
		Southwest Wall	2	2				4	
	Following grubbing, sample locations I7 and J8 at 3 and 6 feet and analyze for target compounds. (Goal is to verify the excavation depth - 0.5 feet vs 3 feet.) Complete excavation	Northwest Wall	2	2				4	
		North Wall	2	2				4	24
E.	to depth indicated on Figure 3 unless field change are made	East Wall	1	1				2	
5b (0.544)	based on laboratory results. Collect confirmation samples from side walls and floor of excavation. Wall samples will be	17 (potholed prior to excavation)		1		1		2	_
, ,	collected at two depths (0.5 feet and 3 feet) at each	J8 (potholed prior to excavation)		1		1		2	
	sampling location.								
	Cleanup Goal: Non-Residential	Existing Samples				2			No east wall due to
									excavation in DU 5a
		Total by Depth	7	15	0	4	0		
		Floor		8				8	
		Northwest Wall	1	1				2	
	Excavate to depth shown in Figure 3. Perform confirmation	Southwest Wall	3	3				6	22
6	sampling on excavation floor and sidewalls. Sidewall	Southeast Wall	1	1				2	
(0.111)	samples will be collected at a depth of 3 feet.	Northeast Wall	2	2				4	
	Cleanup Goal: Non-Residential								
		Existing Samples				6			
		Total by Depth	7	15	0	6	0		

Table 2. Summary of Proposed Confirmation Sampling Following Excavation

				Depth b	elow initial gra	de (feet)			
Decision Unit (size in acres)	Actions	Proposed Confirmation Samples	0.5 - 1	3.0 - 3.5	4.0 - 4.5	6.0 - 6.5	15	Number Confirmation Samples	Total Number Confirmation Samples Collected Per DU
		Floor			2			2	
		West Wall	1		1			2	
	Excavate as shown on Figure 3. Collect confirmation	South Wall	1		1			2	10
7	samples from side walls at 0.5 and 4 feet and floor of	East Wall	1		1			2	
7 (0.009)	excavation.	North Wall	1		1			2	
	Cleanup Goal: Non-Residential	Existing Samples							
		Total by Depth	4	0	6	0	0		
	F	Floor			2			2	
	Excavate as shown on Figure 3. Collect confirmation samples from side walls at 0.5 and 4 feet and floor of excavation.	West Wall	1		1			2	I
		South Wall	1		1			2	10
0		East Wall	1		1			2	
		North Wall	1		1			2	
	Cleanup Goal: Non-Residential	Existing Samples							
		Total by Depth	4	0	6	0	0		
		Floor	2					2	
	V	West Wall	1					1	
	Using existing laboratory sample at O3, calculate 95% UCL	South Wall	1					1	6
9	for DU 12. If 95% UCL exceeds the NR-SRL, excavate this area and collect 2 floor samples, and one sidewall sample	East Wall	1					1	
(0.009)	from each wall of the excavation. Use the maximum concentration value to re-calculate the 95% UCL for DU 12.	North Wall	1					1	
	Cleanup Goal: Non-Residential	Existing Samples							
		Total by Depth	6	0	0	0	0		

Decision Unit (size in acres)  Actions  Proposed Confirmation Samples  0.5 - 1  3.0 - 3.5  4.0 - 4.5  6.0 - 6.5  15  Confirmation Samples  Collected Per II  Floor  2  West Wall  10 (0.009)  (0.009)  Pothole this location and collect samples at 3 and 6 feet for laboratory analysis of target compounds. Pending results, excavate to depth as shown on Figure 3 or to 6 inches beyond the deepest exceedance of the NR-SRL. Collect confirmation samples from side walls at 0.5 feet and floor of excavation.  Cleanup Goal: Non-Residential  Proposed Confirmation Samples  Floor  2  West Wall  1  South Wall  1  South Wall  1  North Wall  1  Potholed prior to excavation  1  1  1  1  1  1  1  1  1  1  1  1  1					Depth b	elow initial gra	ade (feet)			
Pothole this location and collect samples at 3 and 6 Feet for feeding residues 1 and 6 Feet for feeding feed that a feet for feeding feed feed feed feed feed feed feed fee		Actions	Proposed Confirmation Samples	0.5 - 1	3.0 - 3.5	4.0 - 4.5	6.0 - 6.5	15	Confirmation	Total Number Confirmation Samples Collected Per DU
Porthole this location and collect samples at 3 and 6 feet for liberatory analysis of traget compounds. Rededing routs, Rede			Floor	2					2	
10   10   10   10   10   10   10   10		Pothole this location and collect samples at 3 and 6 feet for	West Wall	1					1	
Each wall   1			South Wall	1					1	
Confirmation samples from side walls at 0.5 feet and floor of exexuation   1	10		East Wall	1					1	8
Price   Pric			North Wall	1					1	
Clearup Gold: Nor-Residential	(5.555)	·	Potholed prior to excavation		1		1		2	
Total by Depth		Cleanup Goal: Non-Residential	Existing Samples							If excavation depth >1 foot, collect multiple depths of
11			Total by Denth	6	1	0	1	0		sidewall samples
11					-		_		1	
Five existing laboratory-analyzed samples. Collect additional soil samples for laboratory analysis to confirm soils lest share NR-SRLs. Du 9 is also located within this DU.  Cleanup Goal: Non-Residential  Prove existing laboratory-analyzed samples. Collect additional soil samples for laboratory analysis to confirm soils less than NR-SRLs. Du 9 is also located within this DU.  Cleanup Goal: Non-Residential  Five existing laboratory-analyzed samples. Collect additional soil samples for laboratory analyzed samples. Collect additional soil samples f									+	-
11		Five existing laboratory-analyzed samples. Collect additional soil samples for laboratory analysis to confirm soils less than NR-SRLs.  Exis  (1.158)  Cleanup Goal: Non-Residential							+	3
11			U3						+	_
11									, ,	
Other DUs			Existing Samples	4			1			<del>-</del>
DU 1a B4	(1.136)									
DU 1a E4			Other DUs							
Total by Depth   9										
1			DU 1a E4	1						_
12   1   1   1   1   1   1   1   1   1			Total by Depth	9	0	0	1	0		
12   1   1   1   1   1   1   1   1   1			I1	1					1	
Two existing laboratory-analyzed samples. Collect additional soil samples for laboratory analysis to confirm soils less than NR-SRLs. DU 9 is also located within this DU. Cleanup Goal: Non-Residential  Other DUs DU 9 (max value)  K2 1 1 N2 1 1 01 1  Cleanup Goal: Non-Residential  Other DUs DU 9 (max value) 1 K3 at DU1b 1 1  Cleanup Goal: Non-Residential			13	1					1	
Two existing laboratory-analyzed samples. Collect additional soil samples for laboratory analysis to confirm soils less than NR-SRLs. DU 9 is also located within this DU. Cleanup Goal: Non-Residential			J2	1					1	6
Two existing laboratory-analyzed samples. Collect additional soil samples for laboratory analysis to confirm soils less than NR-SRLs. DU 9 is also located within this DU.  Cleanup Goal: Non-Residential  Other DUs  DU 9 (max value)  K3 at DU1b  Two existing laboratory-analyzed samples. Collect additional soil samples for laboratory analysis to confirm soils less than NR-SRLs. DU 9 is also located within this DU.  Cleanup Goal: Non-Residential  Other DUs  DU 9 (max value)  K3 at DU1b  1  1  1  1  1  Non-Residential			К2	1					1	
Two existing laboratory-analyzed samples. Collect additional soil samples for laboratory analysis to confirm soils less than NR-SRLs. DU 9 is also located within this DU.  Cleanup Goal: Non-Residential  Other DUs  DU 9 (max value)  K3 at DU1b  Two existing laboratory-analyzed samples. Collect additional soil samples for laboratory analysis to confirm soils less than NR-SRLs. DU 9 is also located within this DU.  Existing Samples  2  Cher DUs  DU 9 (max value)  K3 at DU1b  1  1			N2	1					1	
additional soil samples for laboratory analysis to confirm soils less than NR-SRLs. DU 9 is also located within this DU.  Cleanup Goal: Non-Residential  Other DUs  DU 9 (max value)  K3 at DU1b  1 1		01	01	1					1	
soils less than NR-SRLs. DU 9 is also located within this DU.  Cleanup Goal: Non-Residential  Other DUs  DU 9 (max value)  K3 at DU1b  Existing Samples  2  Cleanup Goal: Non-Residential										
Other DUs         1           DU 9 (max value)         1           K3 at DU1b         1		soils less than NR-SRLs. $$ DU 9 is also located within this DU.	Existing Samples		2					
DU 9 (max value) 1		Cleanup Goal: Non-Residential	Oth an Dilla							_
K3 at DU1b 1 1		DU		1						_
					1					
Ms at DU1b 1 1										
		M3 a	M3 at DU1b	1	1					_
Total by Depth 9 4 0 0 0			Total by Denth	9	4	0	0	0		-

Table 2. Summary of Proposed Confirmation Sampling Following Excavation

				Depth b	elow initial gra	ade (feet)		Number Confirmation Samples	Total Number Confirmation Samples Collected Per DU
Decision Unit (size in acres)	Actions	Proposed Confirmation Samples	0.5 - 1	3.0 - 3.5	4.0 - 4.5	6.0 - 6.5	15		
		P2	1					1	
		Q3	1					1	
		R2	1					1	
		S1	1				0	1	7
		S3	1					1	,
	Two existing laboratory-analyzed samples. Collect additional soil samples for laboratory analysis to confirm			1					
13	soils less than NR-SRLs. DU 23 is also located within this	U2	1					1	
(1.031)	DU.								
	Cleanup Goal: Non-Residential	Existing Samples		1		1			
	, i								
		Other DUs							
		DU 23 (max value)	1						_
		Total by Depth	8	1	0	1	0		
		05	1	1		1		3	
		P6	1	1		1		3	
		Р8	1	1		1		3	15
		Q5	1	1		1		3	
	One existing laboratory-analyzed sample (outside of DU 3	Q9	1	1		1		3	
	and DU 4). Collect additional soil samples for laboratory analysis to confirm soils less than NR-SRLs. Samples from	Existing Samples		1		2			
14 (0.831)	DU 3, 4, and 21 within this area will provide additional								
(5:55-)	information. Cleanup Goal: Non-Residential	Other DUs							
		DU 21	1	1		1			
		DU 3 (max value)	1						
		DU 4 (max value)	1	1		1			
		DU 1b (max S sidewall)	1						
		Total by Depth	9	8	0	9	0		

		Depth below initial grade (feet)		1	_				
Decision Unit (size in acres)	Actions	Proposed Confirmation Samples	0.5 - 1	3.0 - 3.5	4.0 - 4.5	6.0 - 6.5	15	Number Confirmation Samples	Total Number Confirmation Samples Collected Per DU
		R6	1					1	
		S5	1					1	12
		S9	1	1		1	0	3	
		T4	1	1		1		3	
		Т7	1					1	12
	Three existing laboratory-analyzed samples. Prior to	Т8	1					1	
	excavation, pothole at S9 and T4 to collect soil samples at	U5	1					1	
15	three depths for laboratory analysis to evaluate for As.  Collect additional soil samples at 0.5 feet for laboratory	U9	1					1	
(0.951)	analysis to confirm soils less than NR-SRLs.								
	Cleanup Goal: Non-Residential	Existing Samples				2			
		Other DUs							
		DU 3 (south sidewall)	1						
		Total by Depth	9	2	0	4	0		
		composite 16a (five aliquots)	1					1	6
		composite 16b (five aliquots)	1					1	
		composite 16c (five aliquots)	1					1	
	One existing laboratory-analyzed sample. Collect composite soil samples for laboratory analysis to confirm soils less	composite 16d (five aliquots)	1					1	
16	than R-SRLs. Discrete samples at Q11 and U11 at 0.5 and 3	Q11		1				1	
(0.859)	feet to verify TI concentration. Cleanup Goal: Residential	U11				1		1	
		Existing Samples							
		Total by Depth	4	1	0	1	0		
		composite 17a (five aliquots)	1					1	
		composite 17b (five aliquots)	1					1	
		composite 17c (five aliquots)	1					1	6
	Two ovieting laboratory analyzed	composite 17d (five aliquots)		1					
	soils less than R-SRLs at 0.5 feet. Sample at M11 to verify that TI does not exceed the R-SRL.  Cleanup Goal: Residential	M11	1	1				2	
17									
(0.816)		Existing Samples		3					
		Other DUs							
		DU 20	1	1					
		Total by Depth	6	5	0	0	0		

				Depth b	elow initial gra	ade (feet)		]	
Decision Unit (size in acres)	Actions	Proposed Confirmation Samples	0.5 - 1	3.0 - 3.5	4.0 - 4.5	6.0 - 6.5	15	Number Confirmation Samples	Total Number Confirmation Samples Collected Per DU
		composite 18a (five aliquots)	1	1				2	
		composite 18b (five aliquots)	1	1				2	
	Three existing laboratory-analyzed samples. Collect	composite 18c (five aliquots)	1	1				2	9
	composite soil samples for laboratory analysis to confirm	composite 18d (five aliquots)	1	1				2	
18 (0.962)	soils less than R-SRLs at 0.5 and 3 feet. Sample at J14 to verify that TI does not exceed the R-SRL at 0.5 feet.	J14	1					1	
(,									
	Cleanup Goal: Residential	Existing Samples		3					
		Total by Depth	5	7	0	0	0		
		composite 19a (five aliquots)	1	1				2	
		composite 19b (five aliquots)	1	1				2	
		composite 19c (five aliquots)	1	1				2	10
	Two existing laboratory-analyzed samples. Collect	composite 19d (five aliquots)	1	1				2	
	composite soil samples for laboratory analysis to confirm	H12	1	1				2	
19	soils less than R-SRLs at 0.5 and 3 feet. Sample at H12 to verify that Tl does not exceed the R-SRL.  Cleanup Goal: Residential								
(0.920)		Existing Samples				2			
		Other DUs							
		DU 22	1	1					
		Total by Depth	6	6	0	2	0		
	Pothole to 3 feet to collect sample to verify As less than the		1	1				2	2
	R-SRL. If NR-SRL is exceeded, excavate to remove an area of 20 feet by 20 feet and collect floor and sidewall samples (6 total).								
20 (0.009)		Existing Samples							
(0.000)	Cleanup Goal: Residential								
	(pending results of potholed sample)	Total by Depth	1	1	0	0	0		
	Pothole to 3 feet to collect sample to verify As less than the	N6	1	1				2	2
24	NR-SRL and TI less than the R-SRL. If NR-SRLs are exceeded,								
21 (0.009)		Existing Samples							
		Total by Depth	1	1	0	0	0		
	Pothole to 3 feet to collect sample to verify TI less than the	G11	1	1				2	2
	R-SRL. If NR-SRL is exceeded, excavate to remove an area of		_	_					
22	20 feet by 20 feet and collect floor and sidewall samples (6 total).	Existing Samples							
(0.009)									
	Cleanup Goal: Residential (pending results of potholed sample)	Total by Depth	1	1	0	0	0		

Table 2. Summary of Proposed Confirmation Sampling Following Excavation

				Depth b	elow initial gra				
Decision Unit (size in acres)	Actions	Proposed Confirmation Samples	0.5 - 1	3.0 - 3.5	4.0 - 4.5	6.0 - 6.5	15	Number Confirmation Samples	Total Number Confirmation Samples Collected Per DU
	Re-sample R4 at 0.5 feet for laboratory analysis to verify As	R4	1					1	1
	concentration. If NR-SRL is exceeded, excavate to remove								
23 (0.009)	an area of 20 feet by 20 feet and collect floor and sidewall samples (6 total).	Existing Samples							
(====,									
	Cleanup Goal: Non-Residential	Total by Depth	1	0	0	0	0		
		See Figure 5	10					10	10
	Collect an additional 10 samples at 0.5 feet for laboratory						0 0		
24	analysis as shown in Figure 5.	Existing Samples	10						
	Cleanup Goal: Residential								
		Total by Depth	20	0	0	0	0		
		composite 25a (five aliquots)	1					1	
		composite 25b (five aliquots)	1					1	4
25	Collect four composite samples at 0.5 feet for laboratory	composite 25c (five aliquots)	1					1	7
25 (~ 1 acre)	analysis as shown in Figure 5.	composite 25d (five aliquots)	1					1	
,	Cleanup Goal: Residential	Existing Samples	2	1					
		Total by Depth	6	1	0	0	0		
		composite 26a (five aliquots)	1					1	
		composite 26b (five aliquots)	1					1	4
26	Collect four composite samples at 0.5 feet for laboratory	composite 26c (five aliquots)	1					1	·
(~ 1 acre)	analysis as shown in Figure 5.	composite 26d (five aliquots)	1					1	
	Cleanup Goal: Residential	Existing Samples							
		Total by Depth	4	0	0	0	0		
		composite 27a (five aliquots)	1					1	
		composite 27b (five aliquots)	1					1	4
27	analysis as shown in Figure 5.	composite 27c (five aliquots)	1					1	, , , , , , , , , , , , , , , , , , ,
27 (~ 1 acre)		composite 27d (five aliquots)	1					1	
-		Existing Samples							
		Total by Depth	4	0	0	0	0		

Table 2. Summary of Proposed Confirmation Sampling Following Excavation

				Depth b	elow initial gra	ade (feet)			
Decision Unit (size in acres)	Actions	Proposed Confirmation Samples	oposed Confirmation Samples 0.5 - 1 3.0 - 3.5 4.0 - 4.5 6.0 - 6.5 15 Conf	Number Confirmation Samples	Total Number Confirmation Samples Collected Per DU				
		composite 28a (five aliquots)	1					1	
		composite 28b (five aliquots)	1					1	4
20	Collect two composite samples at 0.5 feet for laboratory	composite 28c (five aliquots)	1					1	4
28 (~ 1/2-acre)	analysis as shown in Figure 5.	composite 28d (three aliquots)	1					1	
, , ,	Cleanup Goal: Residential	Existing Samples							
		Total by Depth	4	0	0	0	0		
		composite 29a (five aliquots)	1					1	8
		composite 29b (five aliquots)	1					1	
		composite 29c (five aliquots)	1					1	
		composite 29d (five aliquots)	1					1	
	Collect four composite soil samples for laboratory analysis			1				1	
29	to confirm soils less than R-SRLs. Sample at A7, A9, B8, and B10 to verify that TI does not exceed the R-SRL.	А9		1				1	
(0.818)	Cleanup Goal: Residential	B8		1				1	
		B10	1					1	
		Existing Samples		2		1			
		Total by Depth	5	5	0	1	0		1

Total Number of Confirmation Samples 327 327





